T/2260/4038650

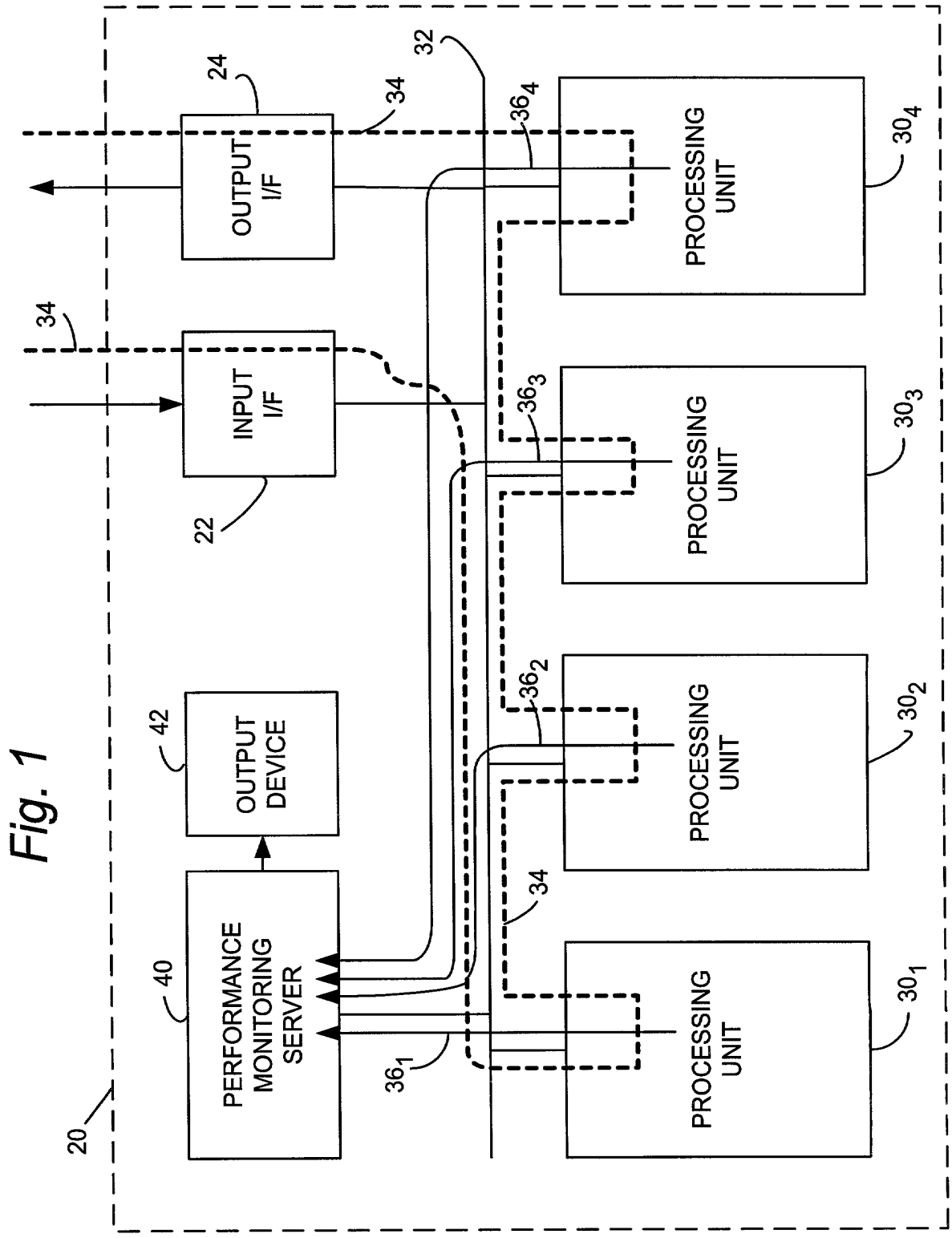

Fig. 1

TO25P1 "4083205"

Fig. 2

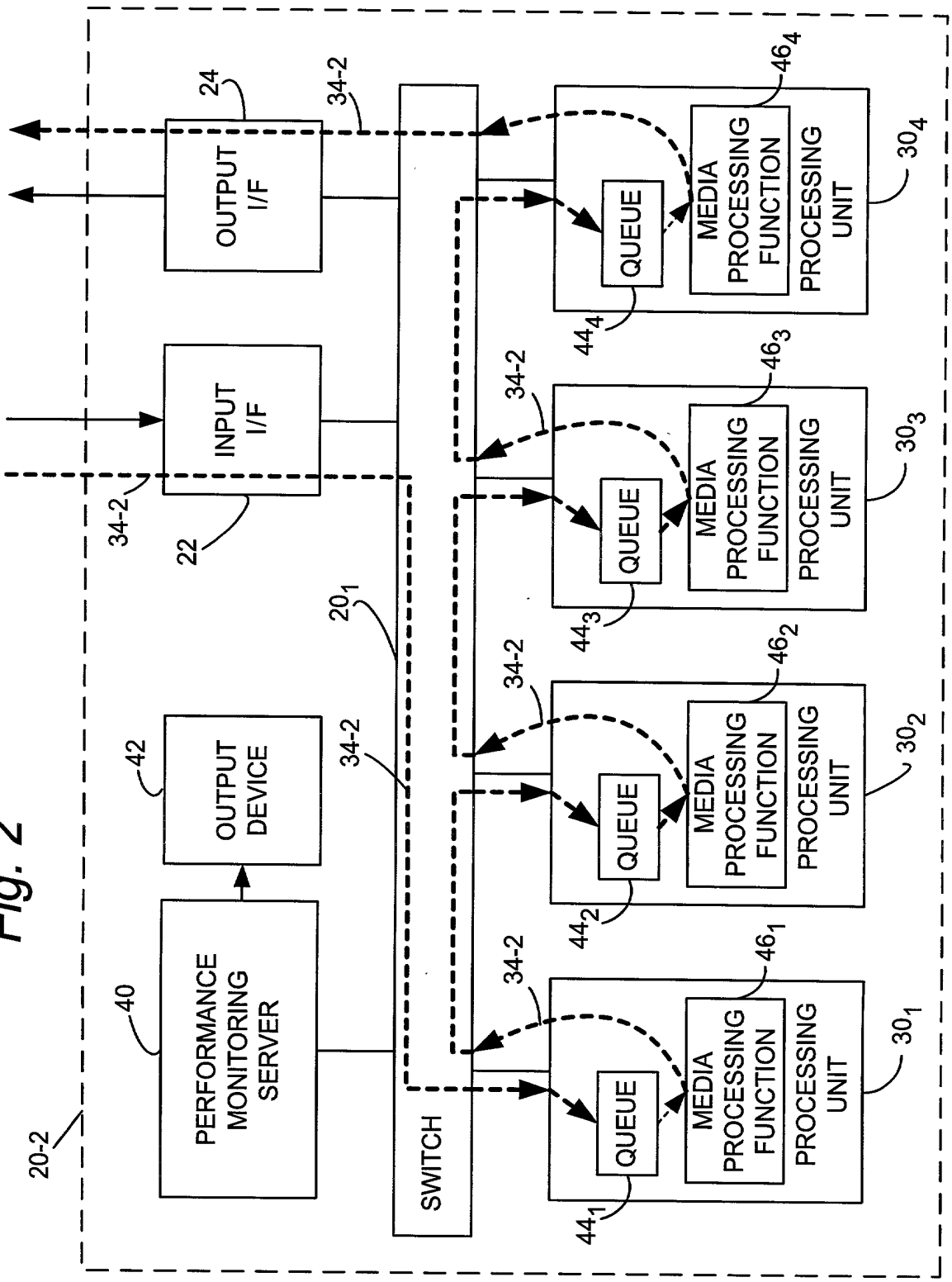

Fig. 3

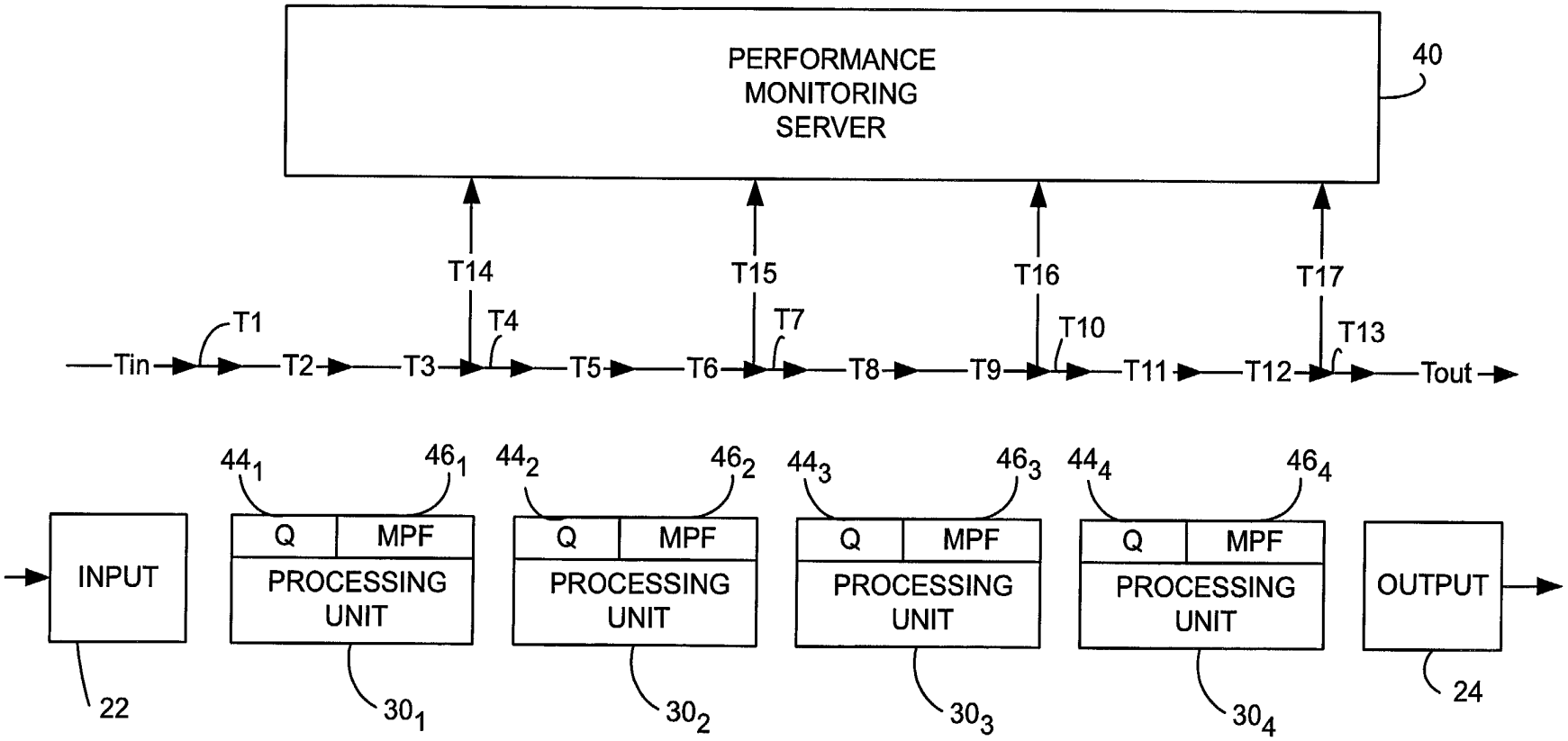
PERFORMANCE MONITORING SERVER
40
T14
T15
T16
T17
T1
T4
T7
T10
T13
Tin
T2
T3
T5
T6
T8
T9
T11
T12
Tout
44_1
46_1
44_2
46_2
44_3
46_3
44_4
46_4
Q
MPF
PROCESSING UNIT
INPUT
OUTPUT
22
30_1
30_2
30_3
30_4
24

Fig. 4

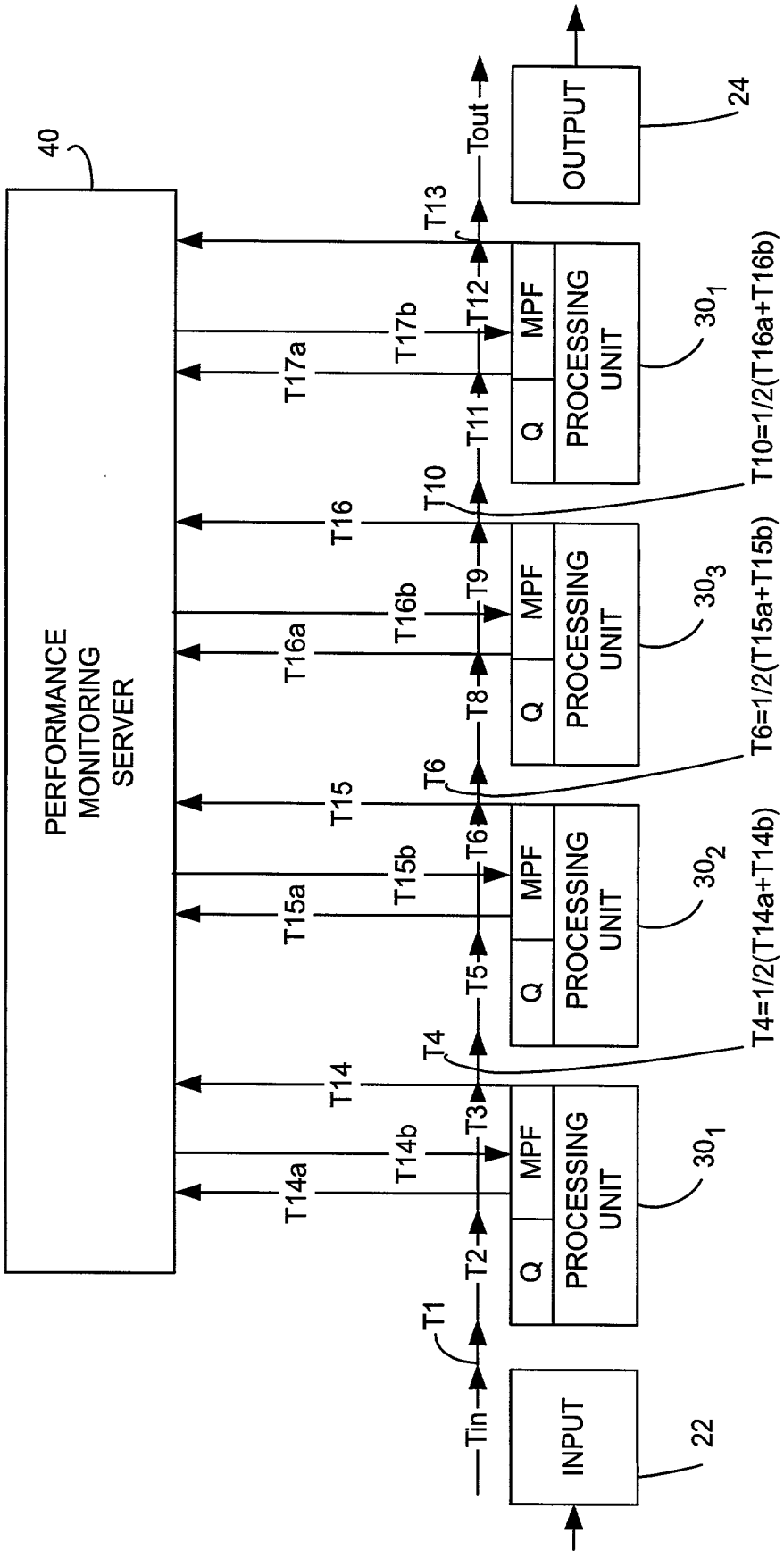
PERFORMANCE MONITORING SERVER
40
INPUT
22
OUTPUT
24
Tin
Tout
Q
MPF
PROCESSING UNIT
30_1
30_2
30_3
T1
T2
T3
T4
T5
T6
T8
T9
T10
T11
T12
T13
T14
T14a
T14b
T15
T15a
T15b
T16
T16a
T16b
T17a
T17b
T4=1/2(T14a+T14b)
T6=1/2(T15a+T15b)
T10=1/2(T16a+T16b)

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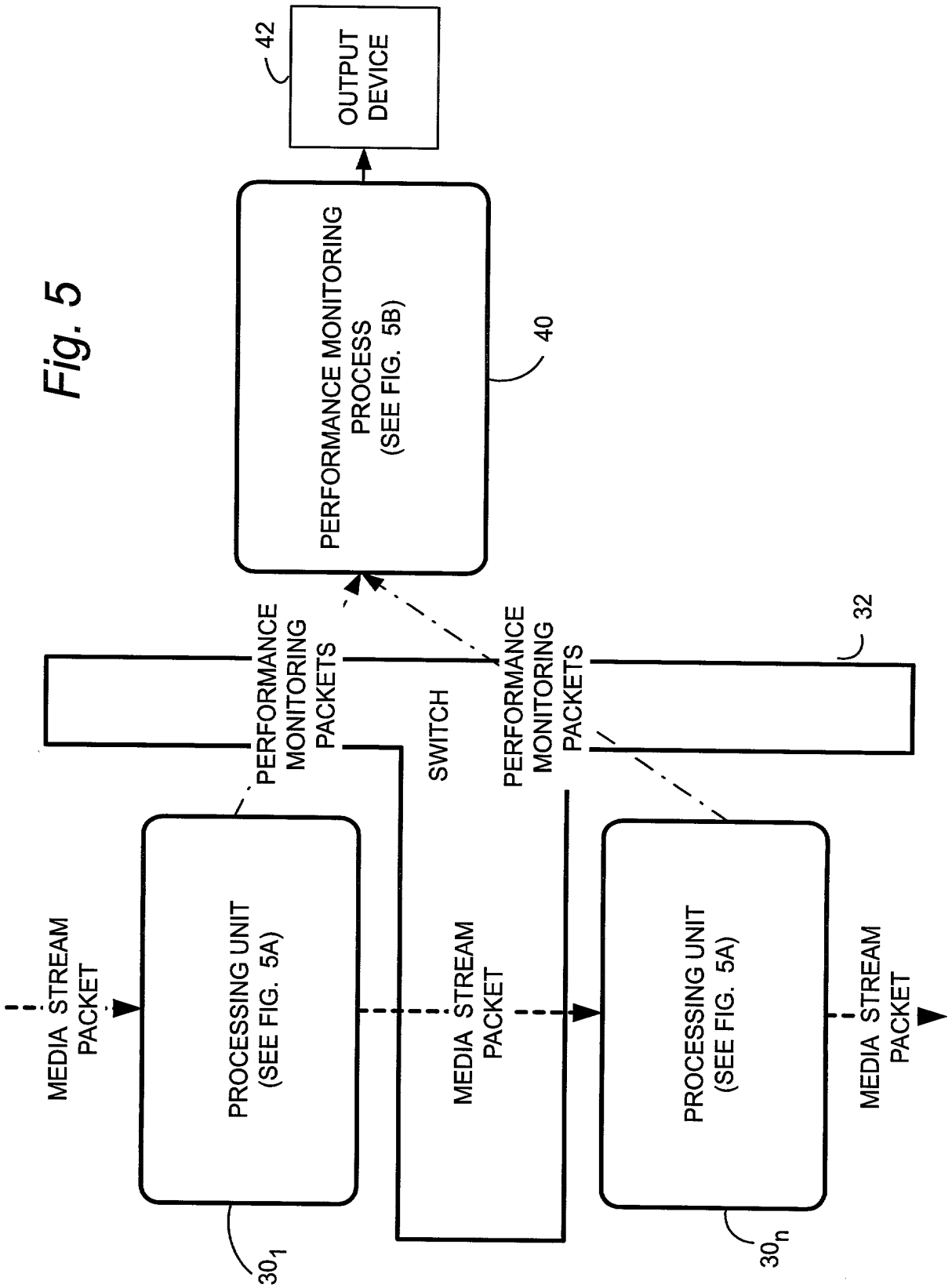
Fig. 5



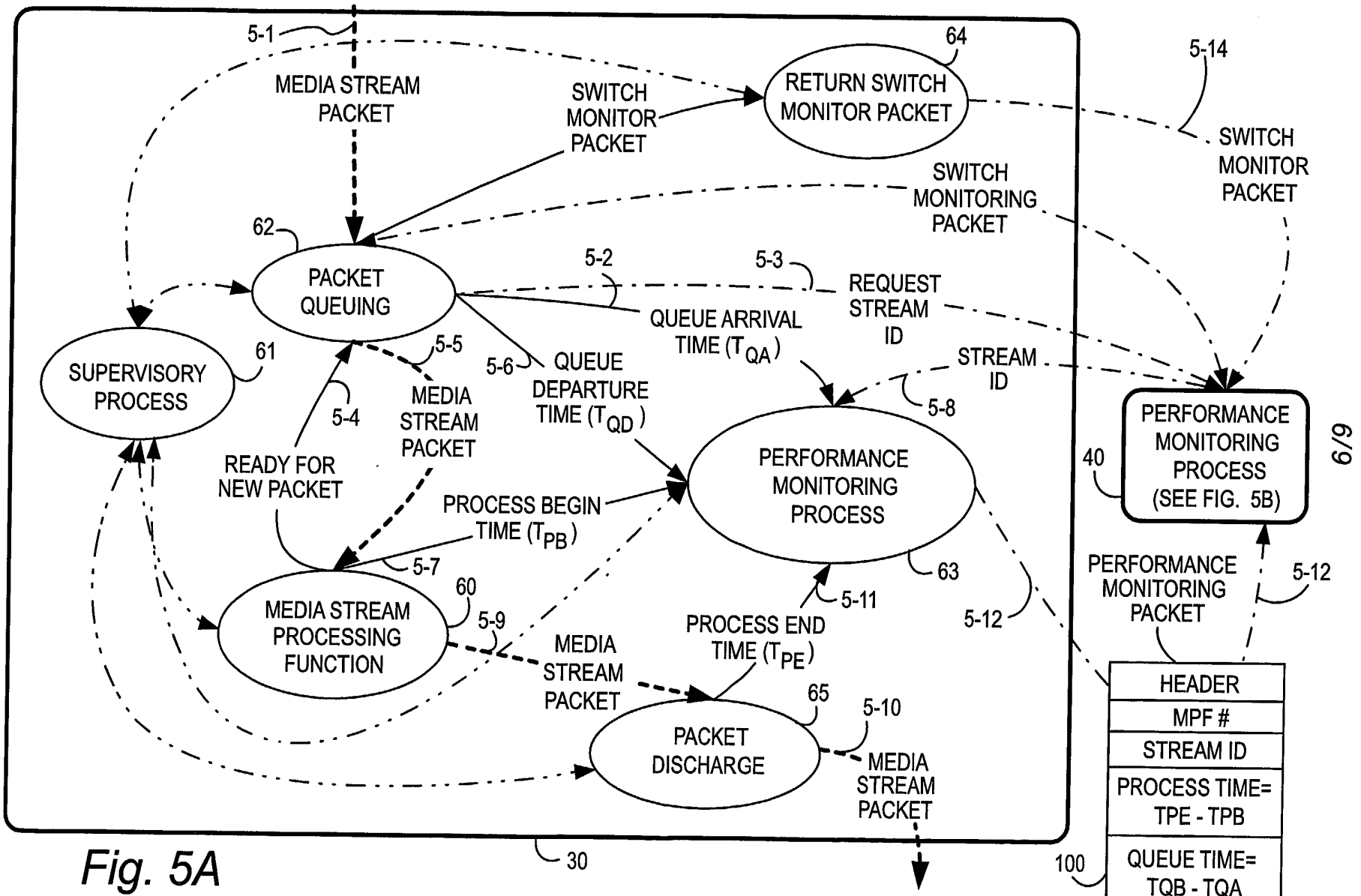
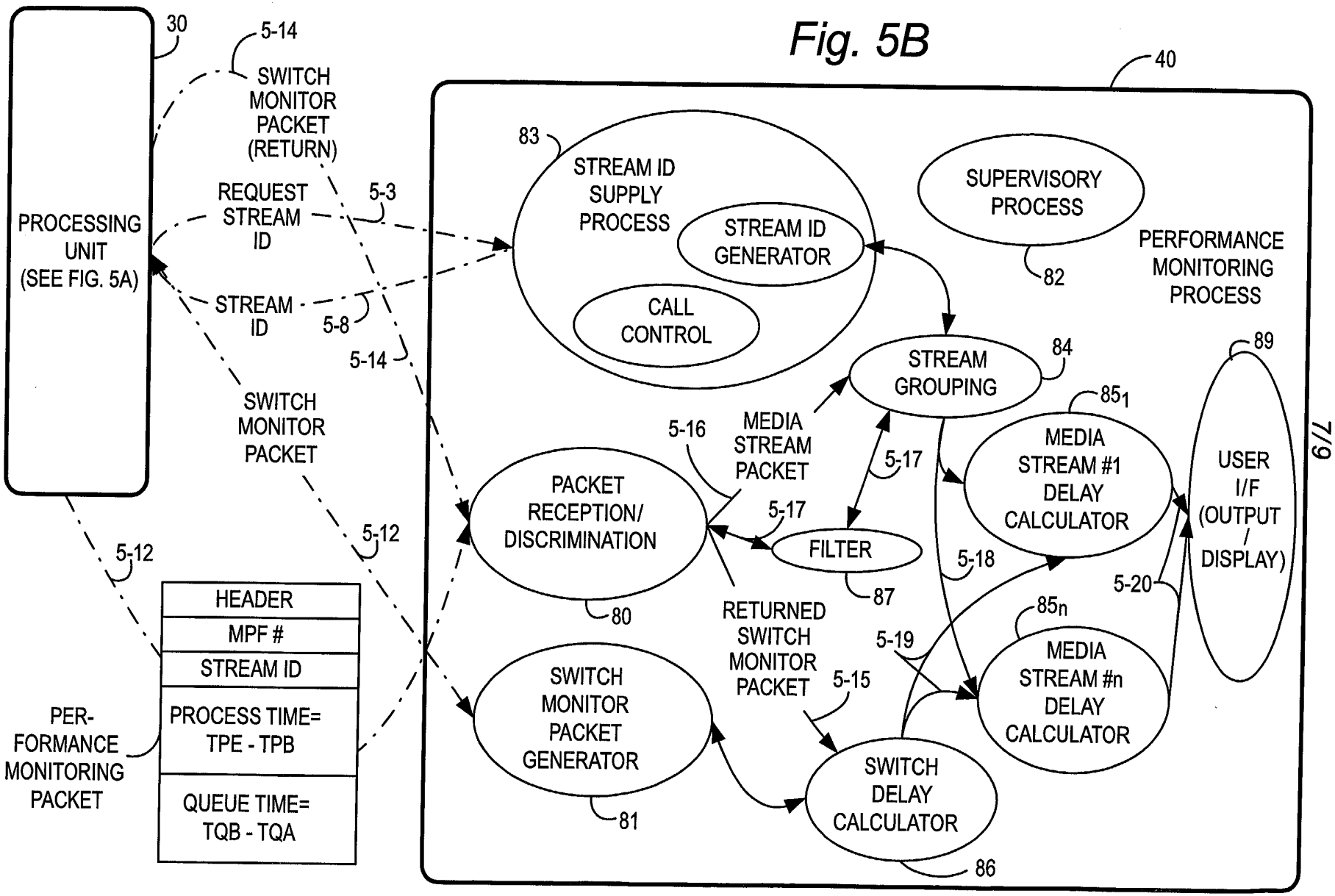

5-1
MEDIA STREAM PACKET
SWITCH MONITOR PACKET
64
RETURN SWITCH MONITOR PACKET
5-14
SWITCH MONITOR PACKET
SWITCH MONITORING PACKET
62
PACKET QUEUING
5-2
5-3
REQUEST STREAM ID
QUEUE ARRIVAL TIME (T_{QA})
SUPERVISORY PROCESS
61
5-5
5-6
QUEUE DEPARTURE TIME (T_{QD})
STREAM ID
5-8
5-4
MEDIA STREAM PACKET
READY FOR NEW PACKET
PERFORMANCE MONITORING PROCESS
40
PERFORMANCE MONITORING PROCESS (SEE FIG. 5B)
PROCESS BEGIN TIME (T_{PB})
5-7
63
5-11
5-12
PERFORMANCE MONITORING PACKET
5-12
60
MEDIA STREAM PROCESSING FUNCTION
5-9
PROCESS END TIME (T_{PE})
MEDIA STREAM PACKET
65
5-10
PACKET DISCHARGE
MEDIA STREAM PACKET
HEADER
MPF #
STREAM ID
PROCESS TIME= TPE - TPB
QUEUE TIME= TQB - TQA
30
100

Fig. 5A

Fig. 5B


30
PROCESSING UNIT (SEE FIG. 5A)
5-14
SWITCH MONITOR PACKET (RETURN)
REQUEST STREAM ID
5-3
STREAM ID
5-8
5-14
SWITCH MONITOR PACKET
5-12
5-12
HEADER
MPF #
STREAM ID
PROCESS TIME= TPE - TPB
QUEUE TIME= TQB - TQA
PER-FORMANCE MONITORING PACKET
40
83
STREAM ID SUPPLY PROCESS
STREAM ID GENERATOR
CALL CONTROL
SUPERVISORY PROCESS
82
PERFORMANCE MONITORING PROCESS
STREAM GROUPING
84
89
85₁
MEDIA STREAM #1 DELAY CALCULATOR
USER I/F (OUTPUT / DISPLAY)
5-16
MEDIA STREAM PACKET
5-17
5-17
PACKET RECEPTION/ DISCRIMINATION
FILTER
87
80
5-18
5-20
RETURNED SWITCH MONITOR PACKET
5-15
85n
5-19
MEDIA STREAM #n DELAY CALCULATOR
SWITCH MONITOR PACKET GENERATOR
81
SWITCH DELAY CALCULATOR
86

TO2260 "h0820660

Fig. 6

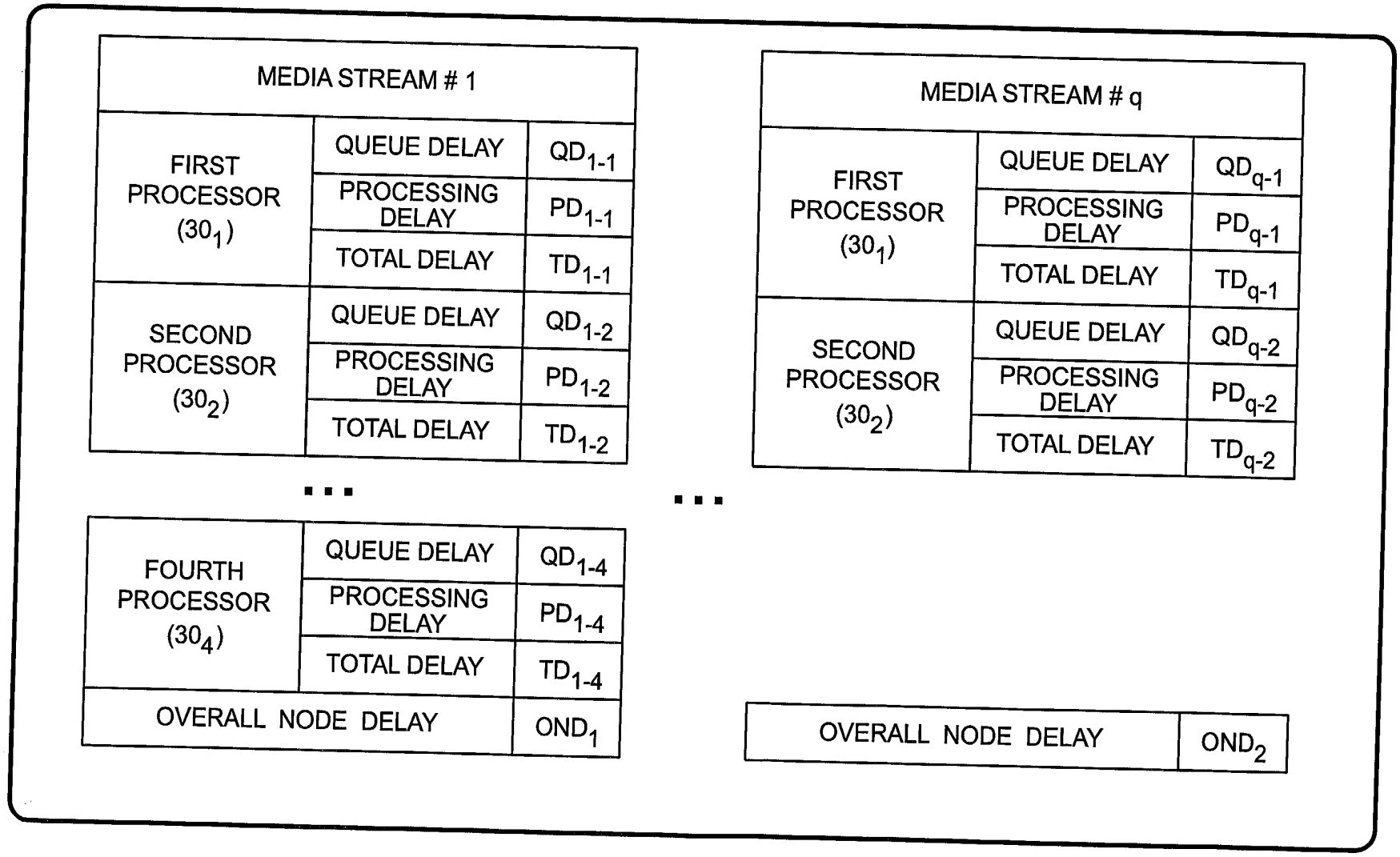
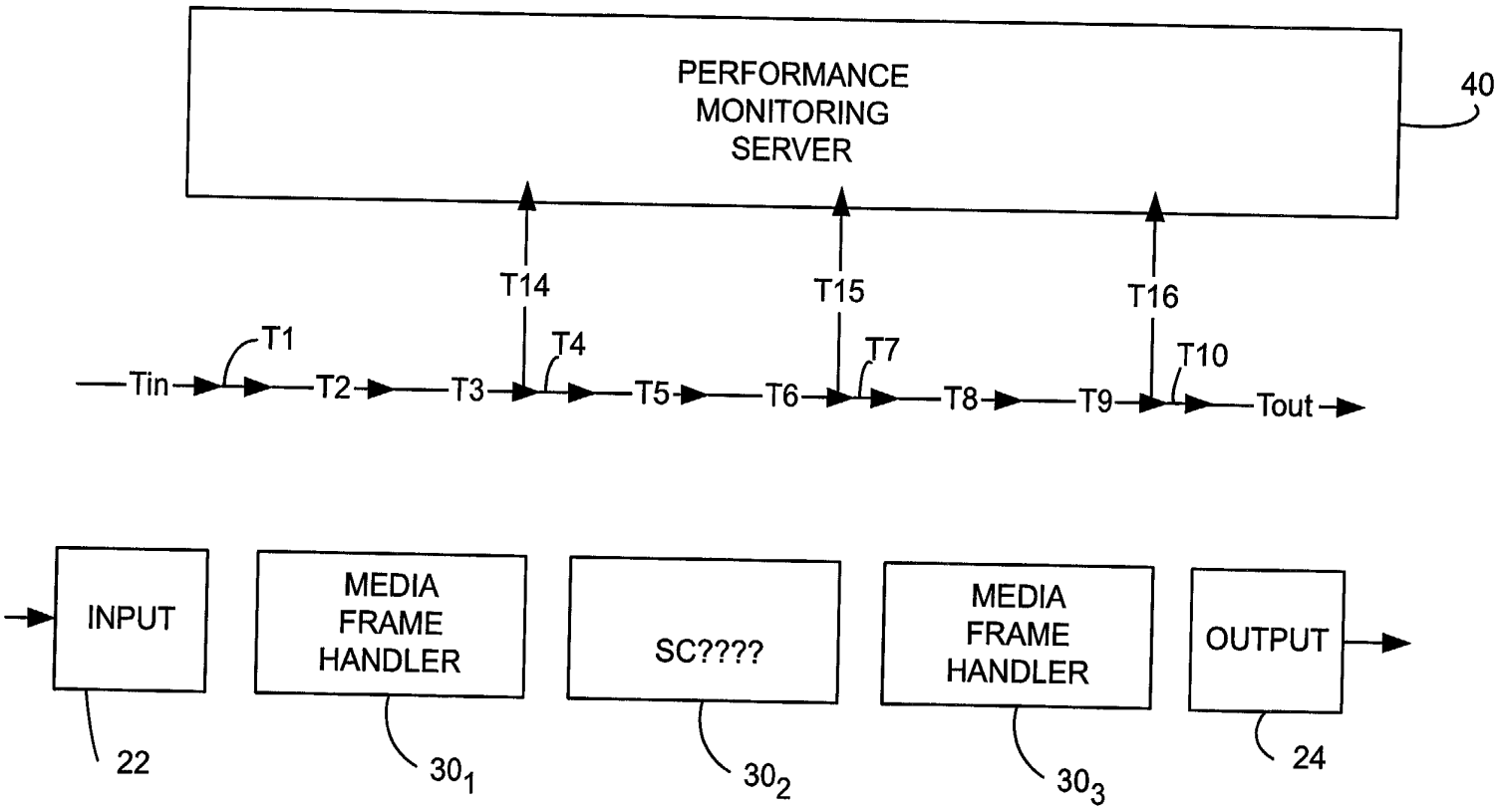


Fig. 7


PERFORMANCE
MONITORING
SERVER
40
T14
T15
T16
T1
T4
T7
T10
Tin
T2
T3
T5
T6
T8
T9
Tout
INPUT
MEDIA
FRAME
HANDLER
SC????
MEDIA
FRAME
HANDLER
OUTPUT
22
30 1
30 2
30 3
24